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NETWORK	276266
NETWORKS	108462
(10 AND NETWORK).USPT.	0
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DATE: Monday, August 23, 2004 [Printable Copy](#) [Create Case](#)

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<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<u>L11</u>	network and L10	0	<u>L11</u>
<u>L10</u>	(automobile cigarette lighter) same car	17	<u>L10</u>
<u>L9</u>	(automobile cigarette lighter) same car and network	0	<u>L9</u>
<u>L8</u>	(automobile cigarette lighter) same car and network and internet	0	<u>L8</u>
<u>L7</u>	automobile cigarette lighter	246	<u>L7</u>
<u>L6</u>	l2 and lighter\$3	0	<u>L6</u>
<u>L5</u>	geographic\$2 same wireless same threshold\$ and browser\$ and (internet or ip)	2	<u>L5</u>
<u>L4</u>	geographic\$2 same wireless same threshold\$ same browser\$	0	<u>L4</u>

<u>L3</u>	geographic\$2 same wireless same threshold\$ same browser\$ and internet	0	<u>L3</u>
<u>L2</u>	geographic\$2 same wireless same threshold\$ same loss	2	<u>L2</u>
<u>L1</u>	geographic\$2 same wireless same threshold\$	47	<u>L1</u>

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Print

L2: Entry 1 of 2

File: USPT

Feb 18, 2003

DOCUMENT-IDENTIFIER: US 6522888 B1

TITLE: System for determining wireless coverage using location information for a wireless unit

Detailed Description Text (28):

FIGS. 6A and 6B show an example of how the system using the RF coverage database can provide correction of poor service resulting from an increase in path loss in a particular coverage area. For example, if location information with associated information is collected over a period of time, an RF coverage database or map is generated which includes an RF coverage area 130. In this embodiment, the base station for sector or face 1 of Cell A uses frequency F1 in the RF coverage area 130. Although Cell B does not use frequency F1, the base station(s) for Cell B has been collecting data on frequency F1 in the RF coverage area 130. As shown in FIG. 6B, as time passes a building or obstruction 132 is erected at position P1 which changes the RF coverage for frequency F1 from Cell A because the obstruction 132 interferes with the signals at frequency F1 in the geographic region 133. The obstruction 132 could also be a cluster of trees in the spring and summer which have grown leaves. Since the RF database is constantly being updated with serving cell and wireless unit signal information by location, at some point the coverage area 130 for Cell A at frequency F1 changes to the RF coverage area 134. A call being established at a position in the coverage area 130 but falling out of the new coverage area 134 would be handled by a neighbor cell, such as Cell B, which has monitored the RF coverage area 130, and the MSC 58 has determined based on an analysis of the measurements by location between Cells A and B that Cell B should handle calls established at positions within the coverage area 130 but outside the new coverage area 134. For example, for a given set of parameters, the positions in the area 133 can be designated as being covered by Cell B rather than Cell A if the signal quality measurements for Cell B in the area 133 are consistently greater than a threshold and/or than the signal quality measurements of the Cell A in the area 133 or if the path loss from Cell B to the positions in area 133 is determined to be less than the path loss from Cell A to the positions in area 133. Alternatively, by analyzing the information by position and another parameter, such as frequency, the MSC 56 can determine a frequency F2 at which the Cell A and/or Cell B can service wireless units in the positions 133 within the coverage area 130 but outside the coverage area 134.

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☐ 1. Document ID: US 6522888 B1

L2: Entry 1 of 2

File: USPT

Feb 18, 2003

US-PAT-NO: 6522888

DOCUMENT-IDENTIFIER: US 6522888 B1

TITLE: System for determining wireless coverage using location information for a wireless unit

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	MMIC	Draw De
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☐ 2. Document ID: US 6505114 B2

L2: Entry 2 of 2

File: USPT

Jan 7, 2003

US-PAT-NO: 6505114

DOCUMENT-IDENTIFIER: US 6505114 B2

TITLE: Traffic monitoring system and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	MMIC	Draw De
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WIRELESS	52158
WIRELESSES	10
LOSS	509435
LOSSES	139697
GEOGRAPHIC\$2	0
GEOGRAPHIC	17966
GEOGRAPHICA	5
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GEOGRAPHICH	1
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(GEOGRAPHIC\$2 SAME WIRELESS SAME THRESHOLD\$ SAME LOSS).USPT.

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